

**AMENDMENTS TO THE CLAIMS**

**This listing of claims will replace all prior versions and listings of claims in the application:**

**LISTING OF CLAIMS:**

1. (currently amended): A method of identifying devices using an IPv6 address, the method comprising:

identifying the devices using device ID information for identifying types of the devices recorded in an unused area, ~~excluding a bit area used as in~~ a company ID area of an interface ID area, using an EUI-64 ID format, the unused area in the company ID area being an area excluding a used area used for representing the company ID in the company ID area, and storing said identified devices in a memory.

2. (original): The method of claim 1, further comprising identifying the devices using unique numbers assigned to the devices recorded in a serial number area, as well as the device ID information.

3. (currently amended): The method of claim 1, wherein the ~~bit~~company ID area comprises a U-bit area and a G-bit area.

4. (original): The method of claim 1, wherein the company ID area identifies manufacturers of the devices.

5. (currently amended): A computer readable recording medium on which a data structure formed according to an IPv6 address for identifying devices is recorded, wherein the data structure includes a network ID area for identifying networks to which the devices are connected and an interface ID area for identifying addresses of the devices on the networks, where the interface ID area comprises a company ID area for identifying manufacturers of the devices and a serial number area for identifying unique numbers assigned to the devices, and where the ~~interface-company~~ ID area comprises a ~~bit-used~~ area used for representing the company ID and a device ID area for identifying types of the devices, ~~excluding the bit area~~ the device ID area being an area excluding the used area in the company ID area, wherein the types of the devices are stored in a memory.

6. (currently amended): The medium of claim 5, wherein the ~~bit-company~~ ID area comprises a U-bit area and a G-bit area.